



User Guide

DV Studio Play Software

Version 1.0

Revision History

Amendment Date	Document Version	Software Version
December, 2012	V1.0	V1.11

Table of Contents

1 Introduction	4
1.1 Understanding the Workflow	5
2 DV Studio Play Overview	6
2.1 The DV Studio Play Desktop	6
3 Creating A Playlist	7
3.1 About Playlists	7
3.2 Creating and Editing Playlist Files	7
3.2.1 Create a new playlist	7
3.2.2 Adding content into playlist	7
3.2.3 Content preview	8
3.2.4 Remove track from the playlist	8
3.3 Saving the Playlist	8
4 Creating A Schedule	9
4.1 Creating new Schedule	9
4.1.1 Adding playlist to schedule	9
4.1.2 Adding command to schedule	11
4.2 Saving the Schedule	12
4.3 Schedule.ini	13
5 Deploying Content	16
5.1 Deploying to CF/SD Card	16
5.2 Deploying to USB flash drive	17
5.3 Deploying to Player	18
5.4 Deploying to FTP server	18
5.5 Deploying to Cloud drive	20
6 Interactive Settings	21
6.1 Play Mode	22
6.2 Button / Touch	23
6.3 RS-232 in	26
6.4 RS-232 out	27
7 Preferences	28
7.1 Media Converter	28
7.2 Content Directory	28
7.3 Language Selection	28

1 Introduction

DV Studio Play software provides important and useful content management functions for use with Digital View media players, this includes all ViewStream, PopStyle and VideoFlyer models.

Features and functions include:

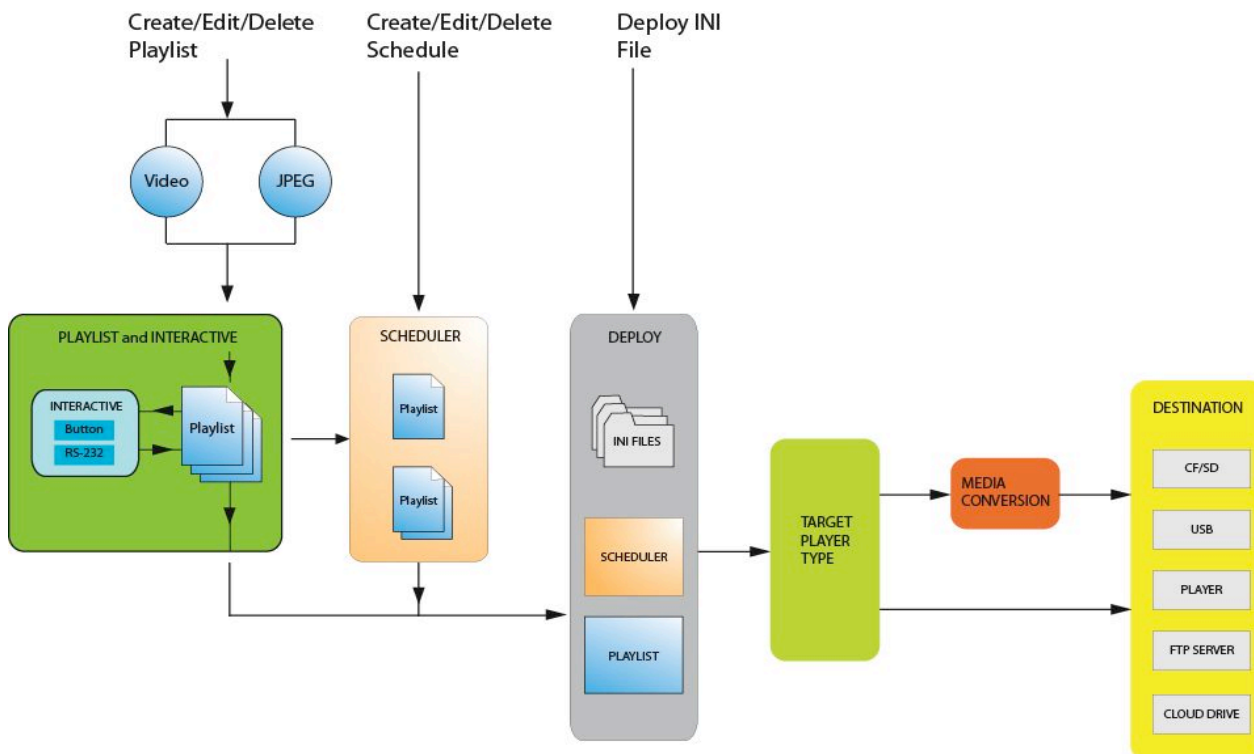
- ☐ Playlist creation
 - Preview content
 - Play mode setting
- ☐ Scheduling of playlists
- ☐ Interactivity
 - Button settings
 - RS-232 serial functions including barcode
- ☐ Four methods to deploy content
- ☐ Audio volume setting per track
- ☐ RS-232 settings for screen control

System requirements and compatibility

- ☐ Max OS X (up to 10.7)
- ☐ Microsoft® Windows® XP with Service Pack 2 (Service Pack 3 is recommended)
- ☐ Microsoft Windows Vista® with Service Pack 1.
- ☐ Microsoft Windows 7

1.1 Understanding the Workflow

Overview of Process



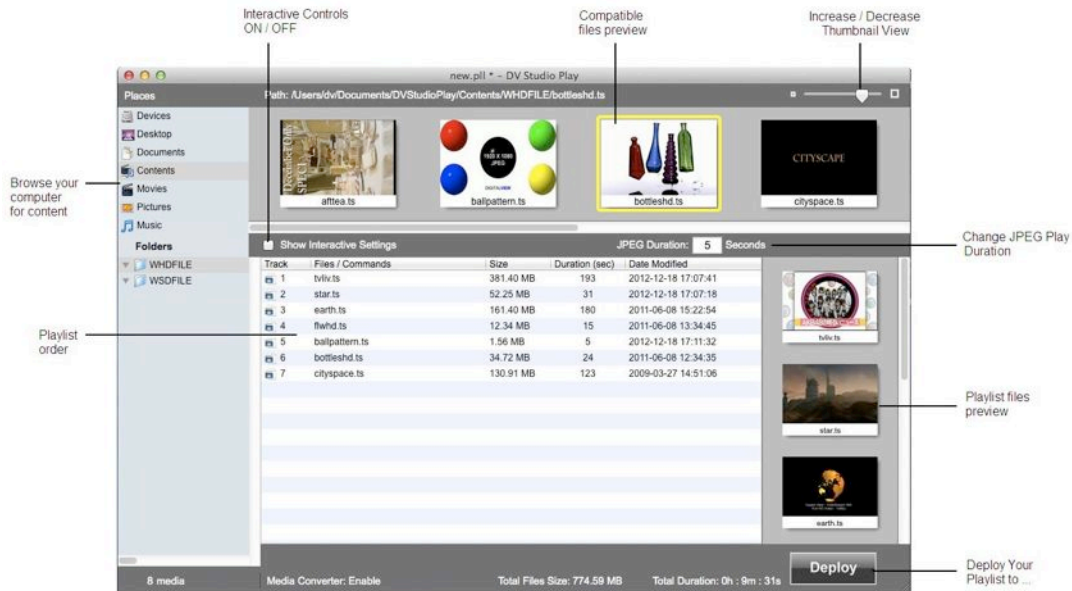
As you can see from the above the workflow choices are:

- ☐ **Playlist:** Create a playlist and add interactive control if required.
- ☐ **Schedule:** Provides the option to schedule a playlist. Digital View media-players have real-time clocks to support this function.
- ☐ **Deploy:** Output the playlist, media files and control files as required.

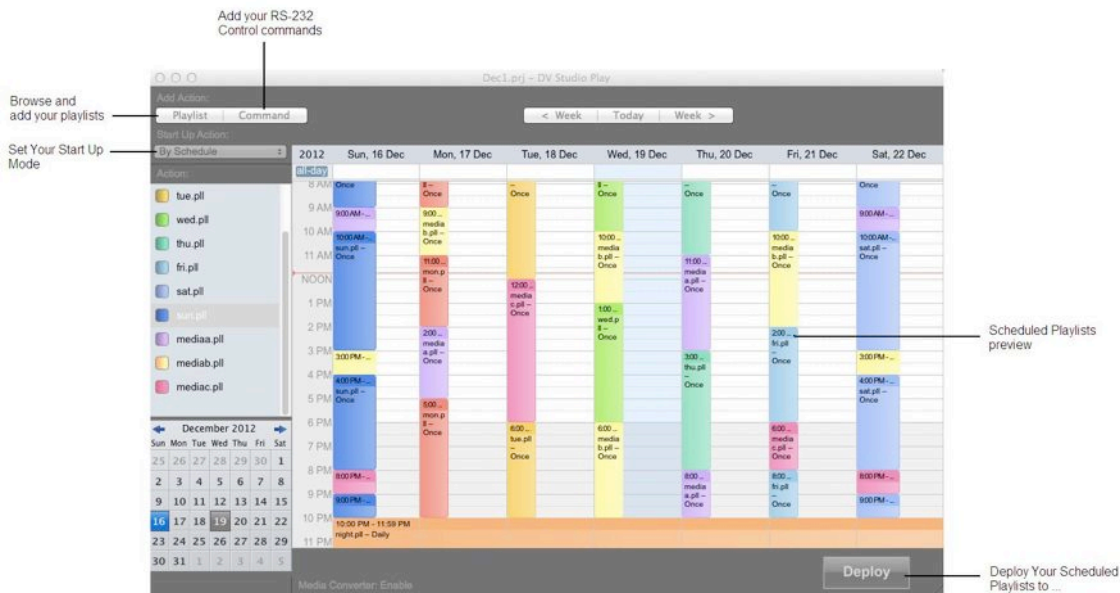
2 DV Studio Play Overview

2.1 The DV Studio Play Desktop

After installing DV Studio Play upon start up you will see the following screens:



Playlist screen



Schedule screen

3 Creating A Playlist

A playlist file (.PLL) contains at least one track or a number of tracks which will play onto the media player according to the order they are set in DV Studio Play. DV Studio Play also uses playlists to tell the media player how to play the track using buttons or RS-232 commands.

3.1 About Playlists

The first step is to create or open a playlist. (The default name is called “new.pll”. If you want to assign another name, use **Save as** after the playlist is created.) The playlist holds all control and operation settings for the media player.

The normal sequence of playlist generation is:

Step 1: Create a new playlist.

Step 2: Assign content to the track and set the play order in the playlist.

Step 3: Save the playlist.

Step 4: Deploy the playlist.

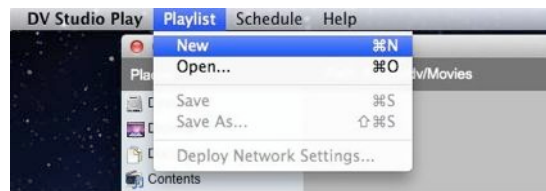
Important Note: You will need to save the playlist if you wish to edit it at a later date. Use deploy to package the playlist to use on the media player.

Steps 1-3 are explained in the next sections, for step 4 please refers to chapter 5.

3.2 Creating and Editing Playlist Files

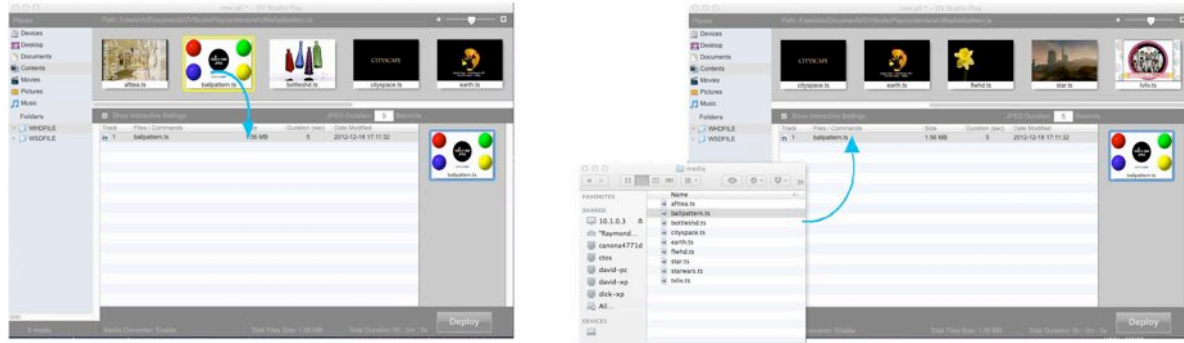
3.2.1 Create a new playlist

- ☐ Select **Playlist** from the menu.
- ☐ Select **New** from the drop down menu to start a new playlist or **Open** to choose and edit an existing playlist..



3.2.2 Adding content into playlist

- ☐ Using the in-built browser or your own system windows, simply 'drag and drop' the content you want to use in the playlist.



- The play order can be changed by dragging the track up or down in the playlist.

3.2.3 Content preview

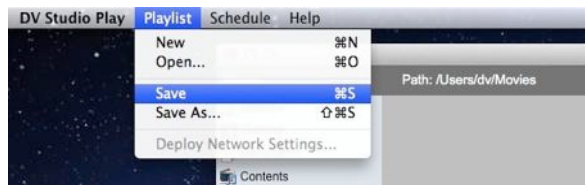
- Highlight the track from the playlist window.
- Double-click the track or click the thumbnail of the content at the right to start previewing.

3.2.4 Remove track from the playlist

- Highlight the track from the playlist.
- Right click the track and press **Remove** button.

3.3 Saving the Playlist

- Click **Playlist** from the menu.



- To save the current playlist, click **Save**.
- If you want to assign another name for your playlist, click **Save as**.

4 Creating A Schedule

The schedule function provides control as to when playlists will play. You should have your playlist files (.pll) ready before to start this section.

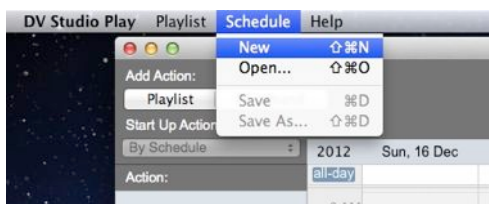
The normal sequence of schedule creation is:

- Step 1: Create a new playlist.
- Step 2: Create a new schedule.
- Step 3: Add playlist into schedule.
- Step 4: Save the schedule.
- Step 5: Deploy the schedule.

Step 1 is explained in Chapter 3. Steps 2-4 are explained in the next sections, for step 5 please refers to chapter 5.

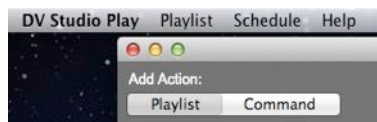
4.1 Creating new Schedule

- ☐ Select **Schedule** from the menu.
- ☐
- ☐ Select **New** from the drop down menu to start a new schedule or **Open** to choose and edit an existing schedule. (The default name of schedule is called "new.prj". If you want to assign another name for your schedule, use **Save as** after schedule creation.)

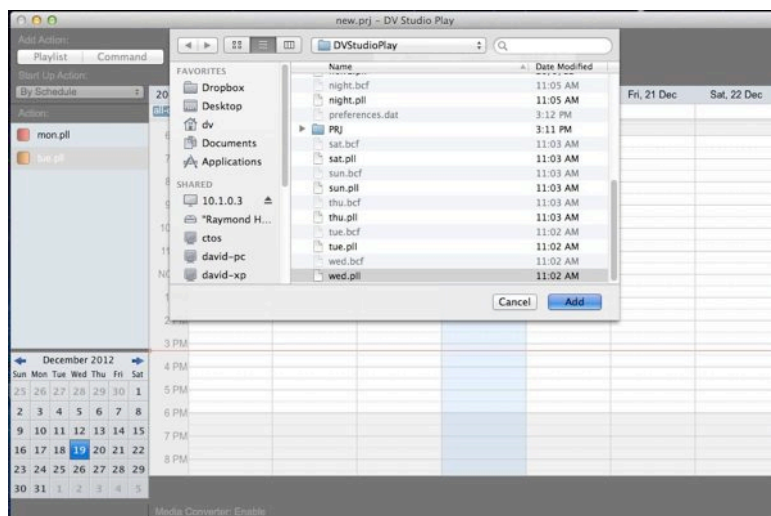


4.1.1 Adding playlist to schedule

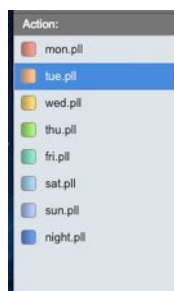
- ☐ To add the playlist, click **Playlist** button.



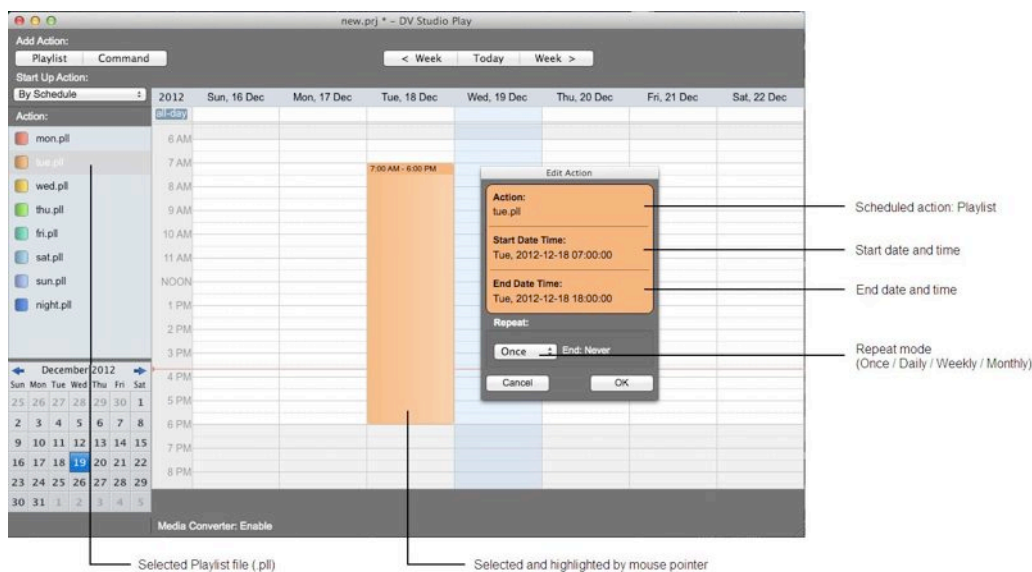
- ☐ Select the playlist file (.pll) you want to add, and then press **Add**.



- Select playlist from the left '**Action**' window.

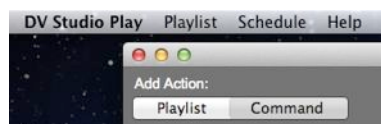


- Select and highlight the time schedule, and then press **OK** to confirm.

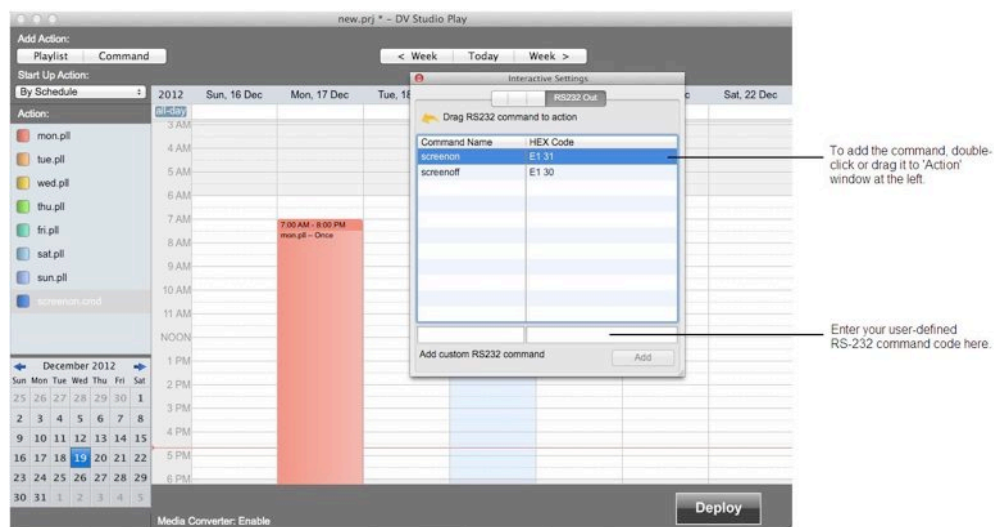


4.1.2 Adding command to schedule

- To add the command, click **Command** button.



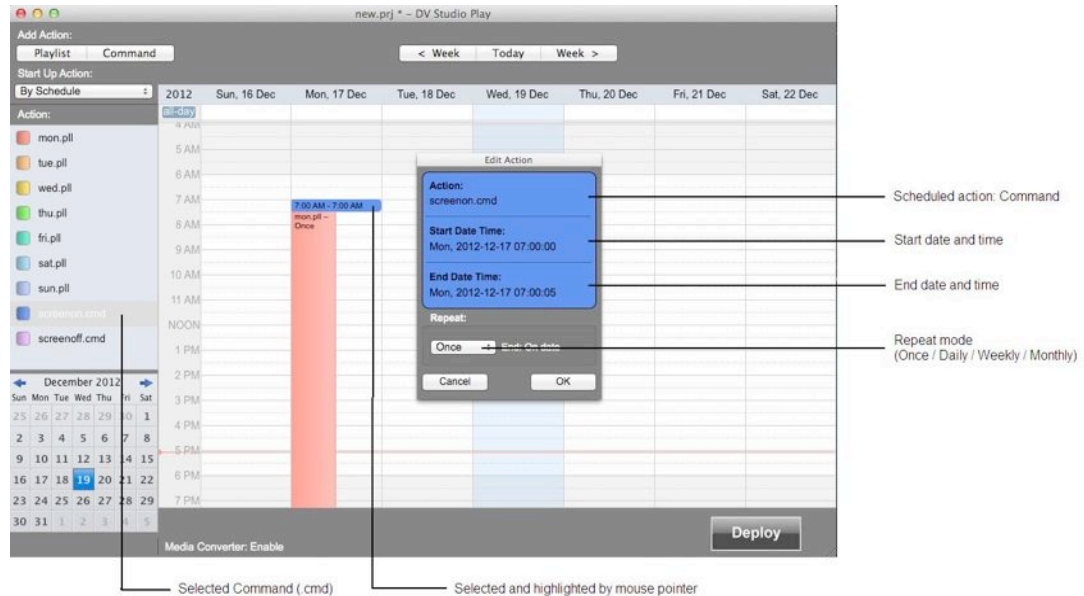
- Select the Command Name you want to add, and then double-click on it or drag it to the **Action** window at the left.



- Select command from the left '**Action**' window.

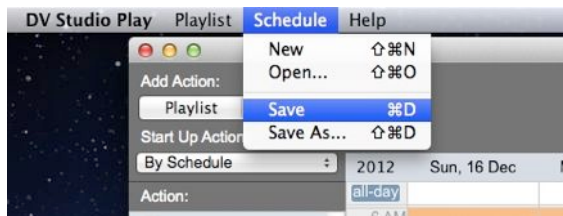


- Insert the command into the time schedule, and then press **OK** to confirm.



4.2 Saving the Schedule

- Click **Schedule** from the menu.
- To save the current schedule, click **Save**. (All schedule files (.prj) will be saved in a folder called '**PRJ**'.)



- If you want to save as another name for your schedule, click **Save as**.

4.3 Schedule.ini

Schedule.ini is a control file contains all scheduled playlist settings. This file is created automatically by DV Studio program and should be saved in Media folder together with other content and playlist files.

The following is the description of Schedule.ini:

ACTION=	There are two actions can be scheduled: Playlist file or RS-232 command <u>Format</u> xxx.pll (Playlist file) xxx.cmd (RS-232 command)
START_DATE=	Start date <u>Format</u> YYMMDD (Once mode) DLY (Daily mode) MLYxx (Monthly mode, where xx=day of month) MONDAY (Weekly mode) TUESDAY (Weekly mode) WEDNESDAY (Weekly mode) THURDAY (Weekly mode) FRIDAY (Weekly mode) SATURDAY (Weekly mode) SUNDAY (Weekly mode)
START_TIME=	Start time <u>Format</u> HHMMSS
PARAMETER=	Repeat mode O = Once – play on a specific date & time D = Daily 1 = Weekly (Monday) 2 = Weekly (Tuesday) 3 = Weekly (Wednesday) 4 = Weekly (Thursday) 5 = Weekly (Friday) 6 = Weekly (Saturday) 0 = Weekly (Sunday) Mx = Monthly, where x=day of month
START_DATE_YYMMDD	Start date (for new version of player) <u>Format</u> YYMMDD
END_TIME	End time (for new version of player) <u>Format</u> HHMMSS

END_DATE	End date (for new version of player) <u>Format</u> YYMMDD
----------	---

“Schedule.ini” Example

```
[TASK1]
ACTION=new.pll
START_DATE=121216
START_TIME=080000
PARAMETER=O
START_DATE_YYMMDD=121216
END_TIME=123000
END_DATE=121216
```

```
[TASK2]
ACTION=new1.pll
START_DATE=DLY
START_TIME=090000
PARAMETER=D
START_DATE_YYMMDD=121217
END_TIME=133000
END_DATE=121217
```

```
[TASK3]
ACTION=new2.pll
START_DATE=WEDNESDAY
START_TIME=183000
PARAMETER=3
START_DATE_YYMMDD=121218
END_TIME=193000
END_DATE=121218
```

```
[TASK4]
ACTION=new3.pll
START_DATE=MLY20
START_TIME=133000
PARAMETER=M20
START_DATE_YYMMDD=121220
END_TIME=193000
END_DATE=121220
```

How they work:

- Task 1: Play a playlist “new.pll” once from 2012/12/16 (8am) to 2012/12/16(12:30pm)
- Task 2: Play a playlist “new1.pll” daily starting at 2012/12/17 from (9am) to (1:30pm)
- Task 3: Play a playlist “new2.pll” at 2012/12/18 on every Wednesday from (6:30pm) to (7:30pm)
- Task 4: Play a playlist “new3.pll” at 2012/12/20 on every 20th day from (1:30pm) to (7:30pm)

Note: The maximum number of schedules you can use is 40 (i.e. From [Task1] to [Task 40] can be used in Schedule.ini)

5 Deploying Content

Note: Make sure you always use the **Deployed** format of playlist file or schedule on your media player and not the “saved” version.

Please get your playlist or schedule files opened prior to deploying.



Deploy Button

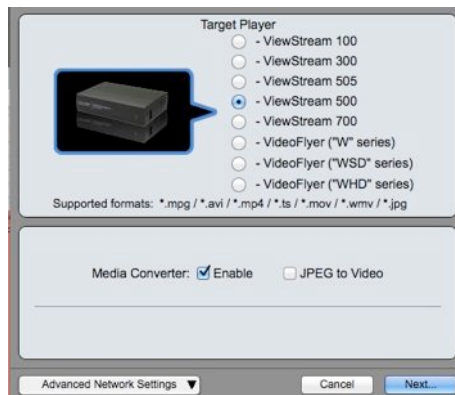


Deploy Button

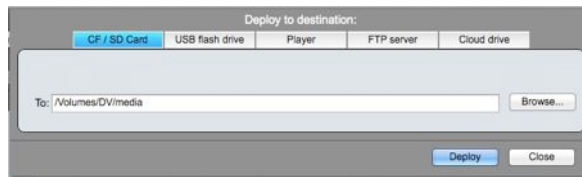
5.1 Deploying to CF/SD Card

Before attempting to deploy video files to the CF / SD card, make sure the CF /SD card reader is ready.

- ☐ Click **Deploy** button from the screen.
- ☐ Select **Target Player**, and then press **Next...**



- Click **CF/SD Card** button from the menu bar, browser your CF / SD card reader device name on your PC and choose it.

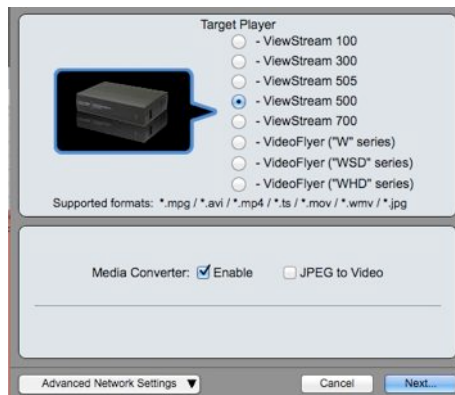


- Click **Deploy** button to start deploying files.

5.2 Deploying to USB flash drive

You will need to choose this option if you wish to deploy files directly to a USB Flash drive which is used for updating players. A “MEDIA” folder will be created on the USB flash drive and UPDATE.INI/GETLOG.INI files will be created and copied on the USB flash drive automatically.

- Click **Deploy** button from the screen.
- Select **Target Player**, and then press **Next...**



- Click **USB flash drive** button from the menu bar, browser your USB device name on your PC and choose it.



- Click **Deploy** button to start deploying files.

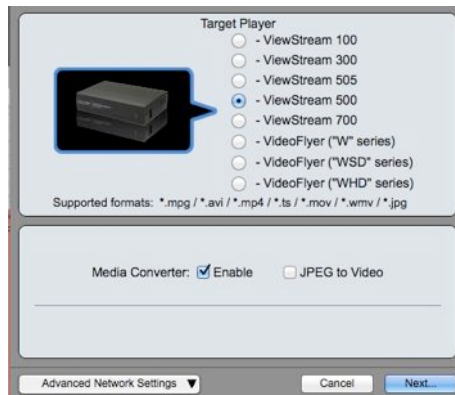
Note: To know more about the USB Content update on player, please refer to “**Application Note – USB Host update**” document which can be downloaded from the following:

<http://dvsignage.com/support/all-digital-view-documents>

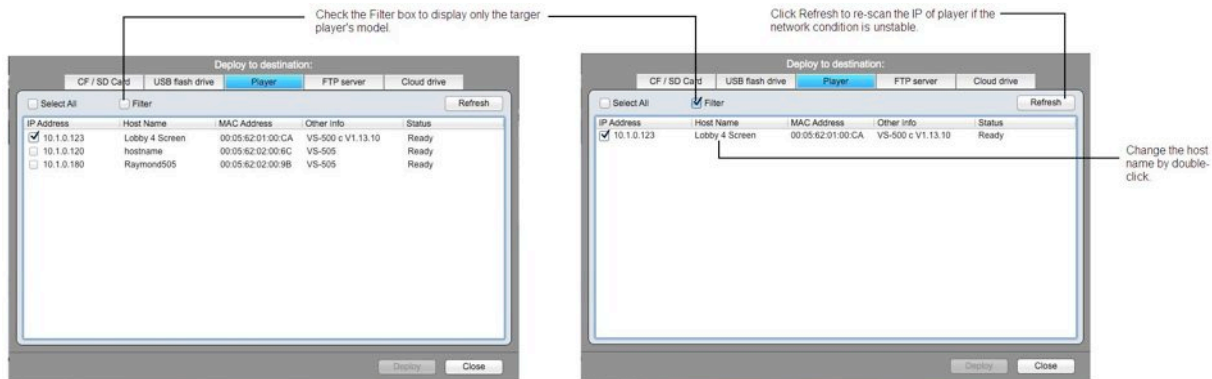
5.3 Deploying to Player

You would choose this option when deploying files to a connected player on LAN.

- ☐ Click **Deploy** button from the screen.
- ☐ Select **Target Player**, and then press **Next...**



- ☐ Click **Player** button from the menu bar, browser your player (IP address/MAC address/Host name) from the players list and check the box at the left.



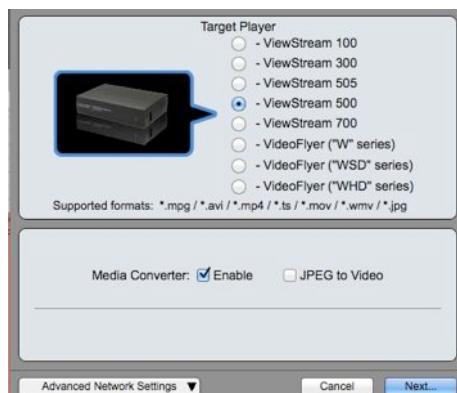
- ☐ Click **Deploy** button to start deploying files.

5.4 Deploying to FTP server

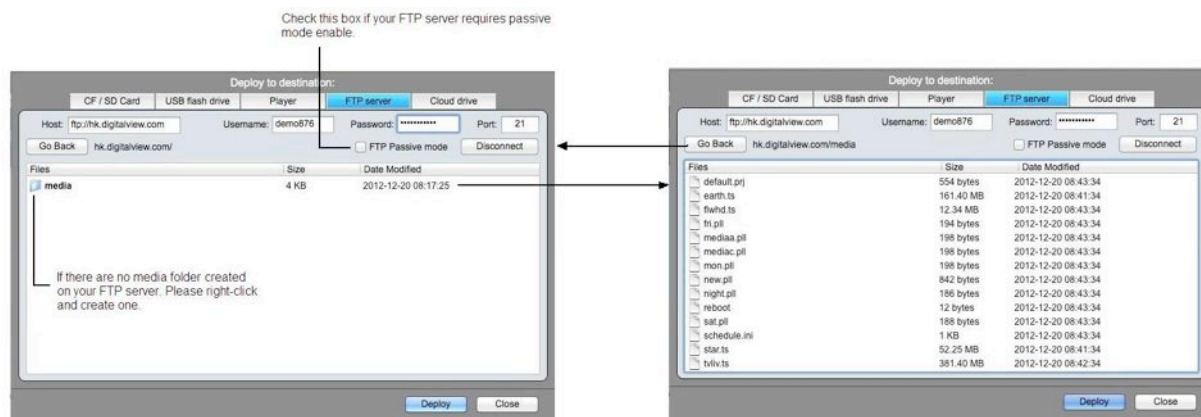
You would choose this option when deploying files directly to a FTP server.

- ☐ Click **Deploy** button from the screen.

- Select **Target Player**, and then press **Next...**



- Click **FTP server** button from the menu bar. Enter **Host** name (ftp://), **Username**, **Password** and **Port** number of the FTP server. And then press **Connect** button.

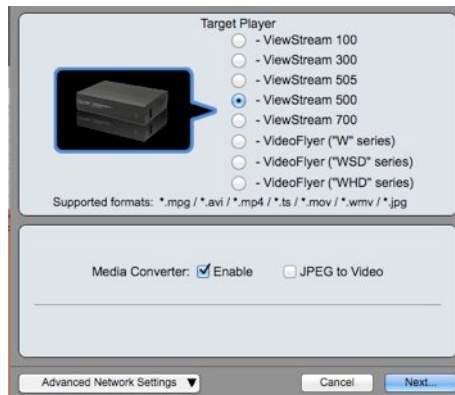


- After connected to the FTP server, if there are no “media” folder created right-click and create it.
- Enter into “media” folder, and then press **Deploy** button to start deploying files inside the “media” folder.

5.5 Deploying to Cloud drive

You will need to choose this option if you wish to deploy files to your cloud drive account. Make sure you already have your cloud drive account registered and ready to use.

- ☐ Click **Deploy** button from the screen.
- ☐ Select **Target Player**, and then press **Next...**



- ☐ Click **Cloud drive** button from the menu bar. (This version only supports Dropbox.)



- ☐ If you already have DropBox account registered and folder created on your PC, click **Search** to locate the path of DropBox's folder.
- ☐ If it is your first time to use DropBox with DV player, please click **Setup** to show the instruction how to setup your player.

Note: To know more about the DropBox setup on DV player, please refer to “**Application Note – DropBox on VS-500_VS-700**” document which can be downloaded from the following:

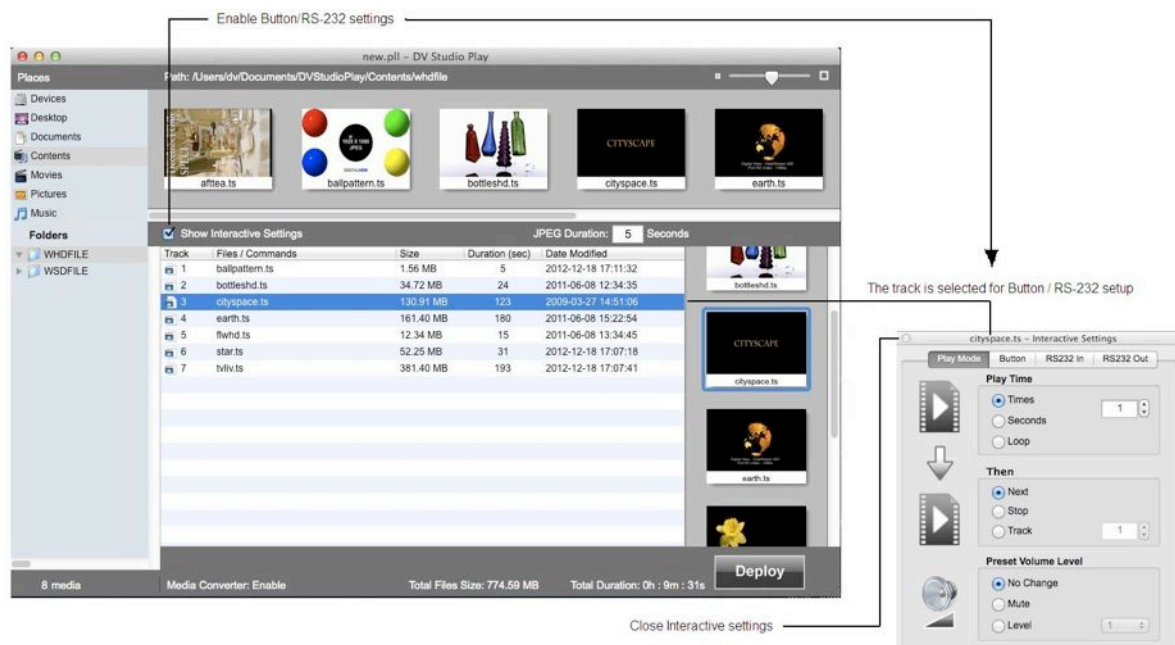
<http://dvsignage.com/support/all-digital-view-documents>

- ☐ Click **Deploy** button to start deploying files.
- ☐

6 Interactive Settings

You have additional control within a playlist over video playback, from simple sequences to touch screens, buttons and RS-232 interaction.

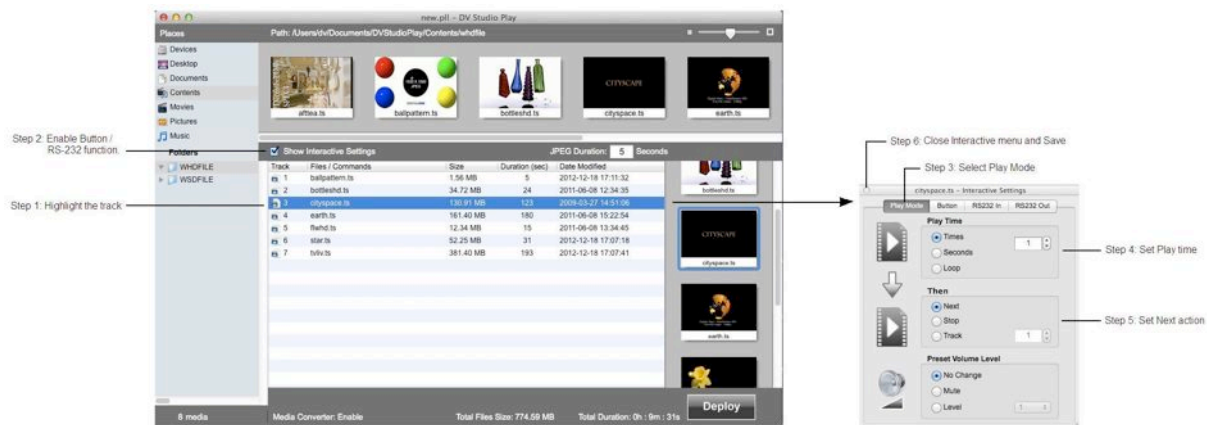
In the playlist window, check the box of **Show Interactive Settings** to hide / unhide the Interactive Settings menu.



6.1 Play Mode

Within the Play Mode settings area, you are able to define the play duration for JPEGs, choose the number of times a track is to be repeated and what will happen after the track has been played.

- ☐ Highlight the track in playlist window
- ☐ Check the box of **Show Interactive Settings**
- ☐ Click on the **Play Mode** folder tab.



- ☐ Set Play time and action after play.

<i>Play Time (Time)</i>	Number of times to repeat video playback.
<i>Play Time (Second)</i>	JPEG picture duration.
<i>Play Time (Loop)</i>	The selected track will do loop playback itself.
<i>Then (Next)</i>	Go on to play next track.
<i>Then (Stop)</i>	stop playback ^{Note}
<i>Then (Track)</i>	Go on to play a specific track.

Note: when stop playback, the screen might hold the last frame or display blank screen depends on the model of player.

- ☐ Close the Interactive menu and save.
- ☐ Preset Volume Level. The volume levels can be set for each specified track (i.e. highlighted track). The settings are applied on the track at start up.

Note: During playback, the volume levels can be adjusted by user using keypad, IR remote or button/touch screen. The track can resume its "Preset volume level" when the playback is stopped and play resumed or the power is reset.

There are three options for user to preset the volume level.

<i>No Change</i>	Plays at original sound level set during the Video/audio encoding process.
------------------	--

Mute

Mute the audio.

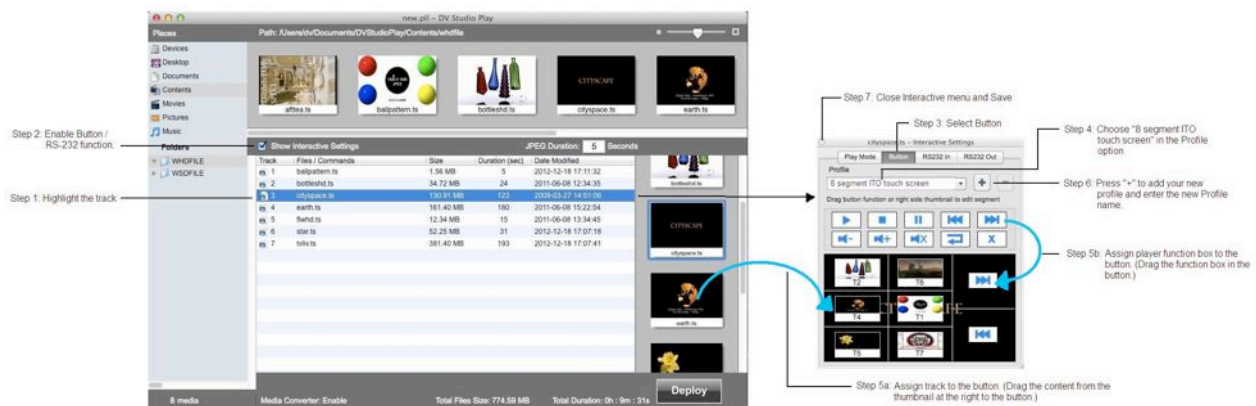
Level (1-32)

Pre-set level from 1 to 32.

6.2 Button / Touch

In the Button settings area, you are able to define the action events of each push button for each track.

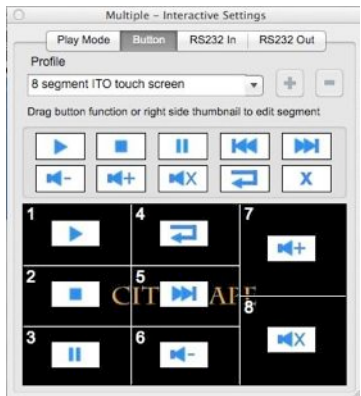
- ☐ Highlight the track in playlist window
- ☐ Check the box of **Show Interactive Settings**
- ☐ Click on the **Button** folder tab.



- ☐ Select default button **Profile**: None (no button assign)
For 8 button, choose “8 segment ITO touch screen”
For 16 button, choose “16 segment ITO touch screen”
(Press “-” to remove the user-defined Profile.)
- ☐ Drag the track from the thumbnail at the right or from the player function box in to the button segment.
- ☐ Press “+” to add your new button profile and type the **New Profile name**.
- ☐ Close the Interactive menu and save.

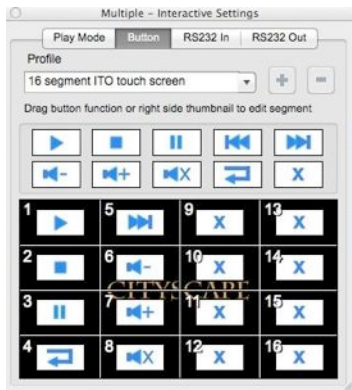
We have pre-defined two button profiles (**8 segment ITO touch screen** and **16 segment ITO touch screen**) in DV Studio Play. The following is the default settings in these two profiles.

8 segment ITO touch screen (8-Button)



Button	Function
Push button # 1	☐ Play
Push button # 2	☐ Stop
Push button # 3	☐ Pause
Push button # 4	☐ Repeat/Continue toggle
Push button # 5	☐ Next track
Push button # 6	☐ Volume Down
Push button # 7	☐ Volume Up
Push button # 8	☐ Mute

16 segment ITO touch screen (16-Button)

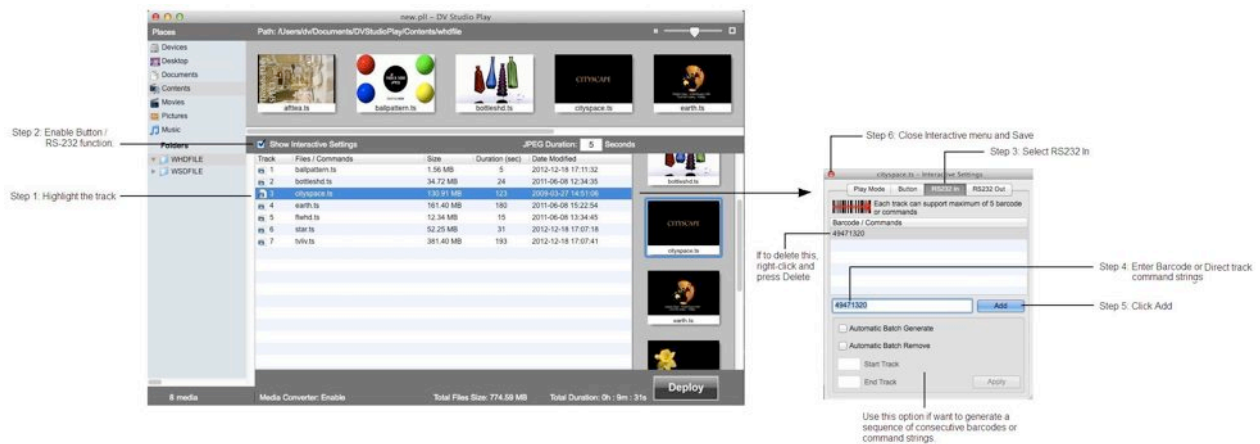


Button	Function
Push button # 1	☐ Play
Push button # 2	☐ Stop
Push button # 3	☐ Pause
Push button # 4	☐ Repeat/Continue toggle
Push button # 5	☐ Next track
Push button # 6	☐ Volume Down
Push button # 7	☐ Volume Up
Push button # 8	☐ Mute
Push button # 9	☐ No Function
Push button # 10	☐ No Function
Push button # 11	☐ No Function
Push button # 12	☐ No Function
Push button # 13	☐ No Function
Push button # 14	☐ No Function
Push button # 15	☐ No Function
Push button # 16	☐ No Function

6.3 RS-232 in

The RS-232 settings contain the information of which track will show after receiving barcode input or Direct track input on RS-232 port.

- ☐ Highlight the track in playlist window
- ☐ Check the box of **Show Interactive Settings**
- ☐ Click on the **RS232 In** folder tab.
- ☐ Enter Barcode or Direct track command strings.
- ☐ Click **Add** to insert the barcode in the table. (If to delete it, right-click on the barcode and press **Delete**.)

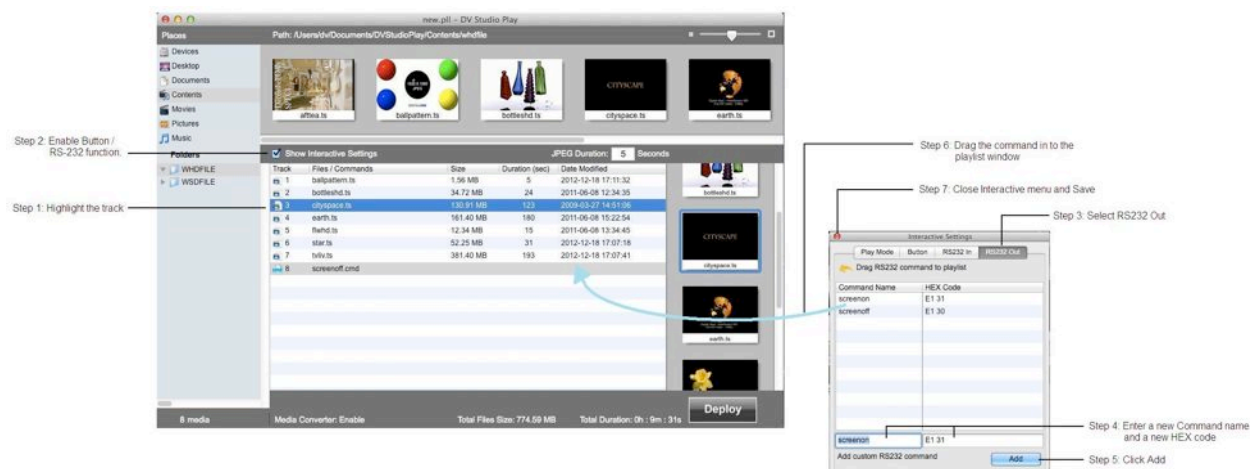


- ☐ Close the Interactive menu and save.
- ☐ The **Auto Generate** provides an option to generate a sequence of consecutive barcodes or direct track string numbers.

6.4 RS-232 out

The RS-232 out allows to add command control within the playlist. (This feature only applied on VS-500 player and DV Controller SVX-1920.)

- ☐ Highlight the track in playlist window.
- ☐ Check the box of **Show Interactive Settings**
- ☐ Click on the **RS232 Out** folder tab.



- ☐ Enter a new **Command name** and new **HEX Code**.
- ☐ Click **Add** to insert the name and code in the table. (If to delete it, right-click on the code and press **Delete**.)
- ☐ Drag the command you want to use into the playlist.
- ☐ Close the Interactive menu and save.
- ☐ We have pre-defined two commands (**screenon (E1 31)** and **screenoff (E1 30)**) in DV Studio Play. Other available commands can be found in SVX-1920 manual.

7 Preferences

7.1 Media Converter

The Media Converter is a quick and easy tool to convert your video or JPEG to the optimal format required for DV media players and VideoFlyers.



7.2 Content Directory

It provides a default path of working directory of where the content have been stored



7.3 Language Selection

It contains five languages (English / Trad. Chinese / Simp. Chinese / Spanish / German) selection.



CONTACT DETAILS

- USA:** 18440 Technology Drive
Building 130
Morgan Hill, CA 95037
Tel: (1) 408-782 7773 **Fax:** (1) 408-782 7883
Sales: info@dvsignage.com
- EUROPE:** The Lake House,
Knebworth Park,
Hertfordshire, SG3 6PY
UK
Tel: +44 (0)20 7631 2150 **Fax:** +44 (0)20 7631 2156
Sales: info@dvsignage.com
- ASIA:** 16th floor Millennium City 3
370 Kwun Tong Road
Kwun Tong
Hong Kong
Tel: (852) 2861 3615 **Fax:** (852) 2520 2987
Sales: hk@dvsignage.com